

Spec Sheet

Multilayer Ceramic Capacitors (High dielectric type) for Automotive / Industrial Applications

UMK105B7103MVHF



■ Features

- Item Summary
50V, X7R, 10000pF, $\pm 20\%$, 0402
- Lifecycle Stage
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping paper 10000pcs

■ Products characteristics table

CaseSize (EIA/JIS)	0402/1005
Rated Voltage (max)	50V
Capacitance	10000pF
Capacitance Tolerance	$\pm 20\%$
Resistance	10,000 M Ω min.
Dielectric Loss Tangent	3.5%MAX
Temperature Characteristics (EIA/JIS)	X7R/-
Temperature Range (EIA/JIS)	-55 to +125 $^{\circ}$ C/-
Capacitance Change (EIA/JIS)	$\pm 15\%$ -
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.0mm ± 0.05
W	0.5mm ± 0.05
T	0.5mm ± 0.05
e	0.25mm ± 0.10

2015.01.15

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
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Before making final selection, please check product specification.

Multi Layer Ceramic Capacitor

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-Electrical Characteristics Data-

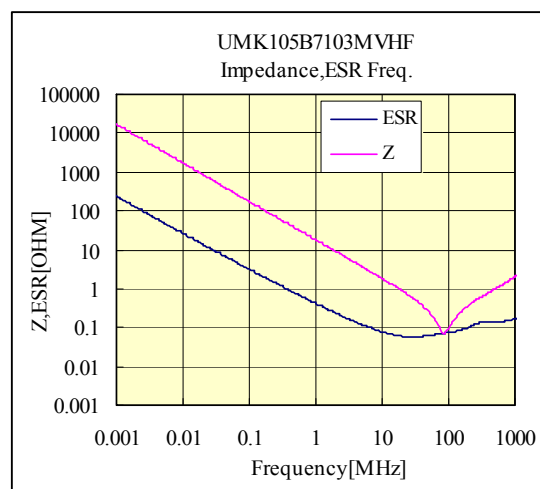
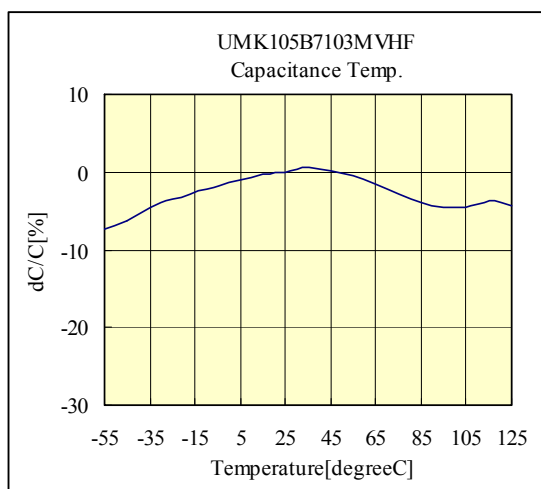
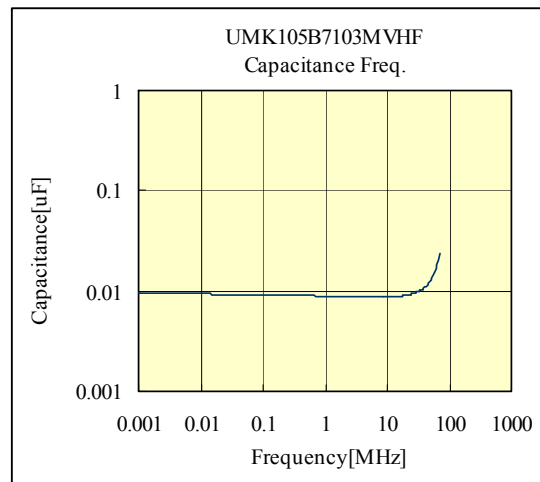
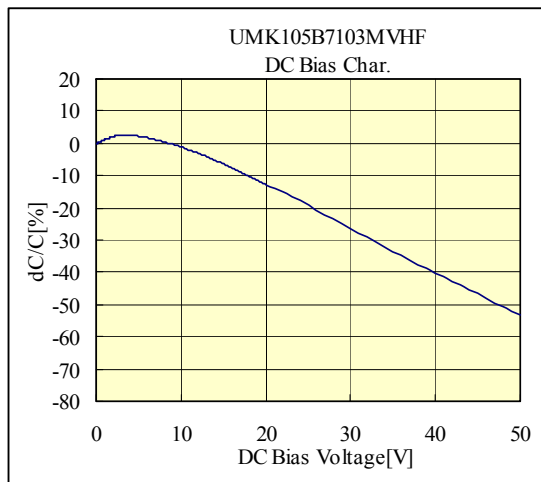
13QA01

RoHS compliance product

○UMK105B7103MVHF

50V 1005 X7R 0.01 μ F +/- 20% t=0.55mmMAX

50V 0402 X7R 0.01 μ F +/- 20% t=0.022inchMAX



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